

2001-357083/38 HENKEL KGAA 1999.10.05 1999-1047684(+1999DE-1047684) (2001.04.12) A61K 7/48	A96 B07 D21 (A14) C2001-110928 Addnl. Data: LAPENA M, PUJOL GALIANO M, MORAGAS M, WADLE A, HEIDE B	HENK 1999.10.05 *DE 19947684-A1 1999.10.05 1999-1047684(+1999DE-1047684) (2001.04.12) A61K 7/48	A(4-D5A, 10-E7C, 12-V4C) B(4-C3, 12-M2, 12-M5, 14-N17, 14-R1) D(8-B9) .4
Liquid or spreadable skin cleanser drying to peelable film, useful for removing dirt, grease, dead skin and blackheads, contains partly acetylated polyvinyl alcohol as film-forming polymer and polyvinylpyrrolidone as adhesive			ADVANTAGE
C2001-110928 Addnl. Data: LAPENA M, PUJOL GALIANO M, MORAGAS M, WADLE A, HEIDE B			Existing film masks have numerous drawbacks, e.g. incomplete peel as a result of poor film stability or too high adhesion, or the formulation has poor storage stability. The present formulation gives the optimum combination of film stability and adhesion. After drying for 5-15 minutes, the film can be peeled off painlessly in one piece or a few large pieces, without leaving residues.
<p>NOVELTY Skin cleanser in the form of a liquid or spreadable formulation, which dries to form a peelable film on the skin and contains dissolved, film-forming and adhesive polymers in an aqueous-alcoholic medium, contains a partly acetylated polyvinyl alcohol with 10-40 mole-% vinyl acetate groups as film-forming polymer and a polyvinylpyrrolidone as adhesive polymer.</p> <p>USE The skin cleanser is useful for removing dirt, grease, dead skin cells and blackheads.</p>			SPECIFIC COMPOUNDS Specific examples of the alcohol in the medium are ethanol and isopropanol.

EXAMPLE

A skin cleanser comprised 5.4% by weight (wt.%) Mowiol 18/8 ((RTM); partly hydrolyzed polyvinyl alcohol, 12 mole-% vinyl acetate groups), 12.0 wt. % Luviskol K80 ((RTM); polyvinylpyrrolidone, molecular weight $700-1000 \times 10^3$ D), 15.0 wt. % Luvimer 36 D ((RTM); tert.-butyl acrylate/ethyl acrylate/methacrylic acid copolymer, as 36% dispersion in water), 1.335 wt. %

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aminomethylpropanol, 8.9 wt.% ethanol and water to 100 wt.%. The cleanser had pH 8.5 and a viscosity of 16 Pa.s at 20°C.

TECHNOLOGY FOCUS

Organic Chemistry - Preferred Medium: The aqueous-alcoholic medium contains 5-30 wt.% ethanol and/or isopropanol.
Polymers - Preferred Composition: The cleanser contains 2-10% by weight (wt.%) partly acetylated polyvinyl alcohol and 1-20 wt.% polyvinylpyrrolidone or a mixture of polyvinylpyrrolidones of different molecular weight with an average molecular weight of < 40000, preferably 700000-1000000 D. It may also contain 0.1-10 wt. % ionic polymer, preferably a (meth)acrylic acid copolymer with an acid equivalent weight of 300-500 D or a chitosan, each as water-soluble salt; especially 1-10 wt.% copolymer with a K value of 30-50. (5pp0016DwgNo.0/0)

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